

Claims

- [c1] 1. A method for manufacturing a stator component (29, 129) which is intended during operation to conduct a gas flow, said method comprising:
providing a stator component (29, 129) made up of at least two sections (13, 14, 15; 113) in its circumferential direction, which sections each have at least one wall part (1, 2; 101, 102); and
orienting the sections adjacent to each other and inter-connecting the two wall parts, one from each of two adjacent sections, in order together to form a means (18, 19; 118, 119) extending in the radial direction of the component, for guidance of the gas flow and/or transmission of load during operation of the component.
- [c2] 2. The method as recited in claim 1, wherein a first of the adjacent sections (13; 113) is constructed by a first wall part (1; 101) and a second wall part (2; 102) is spaced apart so as to define a gas duct (3; 103) between them in the circumferential direction.
- [c3] 3. The method as recited in claim 2, wherein the first and second wall parts (1, 2; 101, 102) are mutually arranged such that, in the intended position in the compo-

ment, they at least partially extend essentially in the radial direction of the component.

- [c4] 4. The method as recited in claim 2, wherein a third wall part (5) extends between the first and second wall part and is connected thereto thereby defining the gas duct in a first direction in the radial direction of the component.
- [c5] 5. The method as recited in claim 4, wherein the edge of the third wall part (5) is laser-welded to the first and second wall part (1, 2) from an, in the circumferential direction, opposite side of the same in relation to the third wall part in such a way that the joined-together portions of the wall parts form a T-shaped joint (8).
- [c6] 6. The method as recited in claim 4, wherein the third wall part (5) constitutes an intermediate portion of a first plate-shaped member (4), which has a shape corresponding to the space between the first and second wall part, and in that this plate-shaped member is placed between the first and second wall part.
- [c7] 7. The method as recited in claim 4, wherein a fourth wall part (10) is arranged such that it extends between the first and second wall part (1, 2) and is connected thereto so as to define the gas duct in a second direction in the radial direction of the component.

[c8] 8. The method as recited in claim 7, wherein the edge of the fourth wall part (10) is laser-welded to the first and second wall part from an, in the circumferential direction, opposite side of the same in relation to the fourth wall part in such a way that the joined-together portions of the wall parts form a T-shaped joint (8).

[c9] 9. The method as recited in claim 7, wherein the fourth wall part (10) constitutes an intermediate portion of a second plate-shaped member (9), which has a shape corresponding to the space between the first and second wall part, and in that this plate-shaped member is placed between the first and second wall part.

[c10] 10. The method as recited in claim 2, wherein the first and second wall part (1, 2; 101, 102) are connected to an, in the radial direction, inner and/or outer ring element (24, 25; 31, 34).

[c11] 11. The method as recited in claim 2, wherein the first and second wall part (101, 102) form portions of an essentially U-shaped single element (30).

[c12] 12. The method as recited in claim 10, wherein the base (33) of the U-shaped element (30) is connected to the inner ring element (31).

- [c13] 13. The method as recited in claim 10, wherein the side members of the U-shaped element (30) are connected to the outer ring element (34).
- [c14] 14. The method as recited in claim 2, wherein all sections are constructed in the same manner as the first section.
- [c15] 15. The method as recited in claim 1, wherein the stator component (29, 129) has an essentially circular cross-sectional shape and in that a plurality of ducts for conduction of the gas flow extend in the axial direction between an inner and an outer ring.
- [c16] 16. The method as recited in claim 1, wherein the stator component (29, 129) is intended for a gas turbine.
- [c17] 17. The method as recited in claim 1, wherein the stator component (29, 129) is intended for a jet engine.